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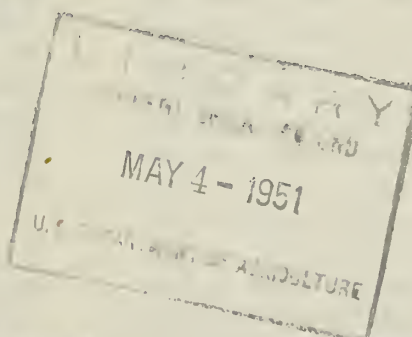
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CHART, POSTER SOURCES

CHARTS & POSTERS FOR REA CO-OPS



PA-155



RURAL ELECTRIFICATION ADMINISTRATION • U. S. DEPARTMENT OF AGRICULTURE

Issued March, 1951

CHARTS AND POSTERS FOR REA CO-OPS

This list is intended as a guide for Rural Electric Cooperatives in the selection of charts and posters on electrical subjects for use at training schools, fairs, co-op annual meetings, and community gatherings, or for display in co-op offices.

In addition to the material listed, many excellent charts and posters are available from various state agricultural colleges, Extension Service and other state agencies. Co-ops can get information about such visual aids from their local Extension workers.

HOW TO USE

DEMONSTRATIONS OR TALKS: Large charts, such as the seven on Wiring Layout on page , will be useful for educational work with large groups. These charts, for instance, could be made more dramatic, and hence more easily understood, by coloring yellow circles representing outlets and switches used for general purpose or lighting; and by coloring the circles red to indicate those used for appliances. Or the charts might be mounted so that colored thumbtacks could be pinned on as a talk is given. Smaller charts, under 30 x 40 in size, are usually suitable only for smaller groups, unless printed copies or practice sheets are provided for the group. Practice sheets are available for some of the charts used to teach wiring facts.

DISPLAYS FOR MEETINGS OR FAIRS OR IN OFFICE: Some of the charts might be used in exhibits or displays arranged by the cooperative or other groups. Use the more colorful ones centered around a single idea. Charts giving information on a certain subject improve the value of a display of equipment and the appearance of the office.

DISPLAY AT TEACHERS' MEETINGS: A display of charts which would be useful in the schools might be made at a county teachers' meeting. Permission to arrange such an exhibit should be secured from the county superintendent of schools. Some cooperatives hold dinner meetings of agriculture teachers and county agents or homemaking teachers and home agents separately or together. At such meetings a display of the charts and posters, showing of films and

possibly distribution of bulletins on the subject chosen would give help to these groups in carrying on rural electrification educational work with youths and adults.

CLASS PROJECTS: "Everyday Electricity" and "The Story of Light and Sight" are suited for classroom work with grade school pupils. Teachers will like the teachers' manuals, student leaflets and in some instances quiz sheets and cartoons provided for use with such charts. For older youths and adult groups, the charts and practice sheets listed under the titles, "Everyday Electricity" and "Educational Wall Chart on Electrical Homemaking" are helpful.

BULLETIN BOARDS: Some of the small charts are designed for use on bulletin boards. Posting those which are most suitable for the season of the year will brighten your office or a teacher's classroom as well as provide helpful information.

SUBSTITUTE FOR EQUIPMENT: Sometimes it is impossible to have the equipment you would like to show at a meeting. Some of the charts listed have large pictures on them. Also large advertising pictures can often be made into posters.

CHARTS AND POSTERS LIST: You may wish to send this list to educational workers in your cooperative area. Extra copies are available for this purpose on request. Among those who might be interested in it are county farm, home and 4-H agents of the Extension Service; agriculture, homemaking, shop and science teachers of the high schools; and rural grade school teachers. You might mail the summary to the school principals or superintendents in your area with a request that they circulate it to the teachers mentioned above, or you could address it directly to the department you wish to reach in the school, as Homemaking Department or Homemaking Teacher. Names of teachers can be secured from the county superintendent of schools.

OTHER VISUAL AIDS: Co-ops will also find useful information on visual aids in two other REA publications: (1) Motion Pictures for REA Co-ops, and (2) Slides and Slide-films for REA Co-ops.

CHARTS AND POSTERS ON ELECTRICAL SUBJECTS

Main electrical subject and title of chart	No. of charts	Source (key P.)	Size W x L	Color	Total cost	Subject covered, comments, etc.
CARE AND REPAIR Make your equipment last	10	1 US	14x22	BL&W	\$.50	Care and cleaning of electrical household equip.
ELECTRICAL FUNDAMENTALS-GENERAL Everyday electricity: Refrigerator Iron Vacuum cleaner Lamps Automatic washer Motor Range	8	26 W	25x38	Two-	\$1.00	Principles of operation.
Electromagnetic spectrum	1	26 W	40x39	Full-	\$2.00	Spectrum--power and light to cosmic rays; wave lengths, terms.
The waterwheel generator	1	26 W	25x36	Full	\$2.00	Labeled cut-away; operation.
The steam turbine & condenser	1	26 W	29x40	Full-	\$2.00	Labeled cut-away; operation.
The electron tube	1	26 W	25x36	Full-	\$2.00	Parts, basic tubes, applications.
Pictorial monthly bulletin	1	26 W	14x17	Two-	Free	Scientific and industrial news.
Biggest & littlest things in the universe	1	26 W	24x37	Full-	\$1.00	Relative size of 20 things, proton (smallest) to universe.
FARM USES OF ELECTRICAL EQUIPMENT Produce more clean milk Managed milking Produce clean milk Mechanical refrigeration	1 1 1 1 2*	20 IH 20 IH 20 IH 20 IH	28x38 11x17 11x17 27x22	Three- Two- Two- Two-	\$.01 \$.01 \$.01 \$.30	Methods, reasons; dairy week Recommended milking procedure. Method of cleaning milker. Instructor's manual for use with educational charts is included.
Principles 6-can milk cooler Performance test Everyday electricity Electric motor Welding - guard against: Sheep shearing wall chart	1 8 1 1	20 IH 26 W 1 US 23 S	28x38 25x38 10x14	Two- Two- Two-	\$.20 \$1.00 \$.05 Free	Cut-away views. Form for recording test data. Principles of operation. Warning on welding hazards.

*Printed on both sides.

Main electrical subject and title of chart	No. of charts	Source (key P.)	Size W x L	Color	Total cost	Subject covered, comments, etc.
REFRIGERATION-DOMESTIC Make your equipment last #5 your refrigerator #6 your refrigerator Everyday electricity Electric refrigerator Freezing exhibit & posters on home freezer:	10 8 1 box & 5 charts	1 US 26 W 21 S&R	14x22 25x38 8x7x22 20x30	BL&W Two- BL&W BL&W Full- BL&W BL&W	\$.50 \$1.00 Return Postage	Suggestions on care and cleaning. Principles of operation of household refrigerator. Samples of packaging materials labeled with cost, size & material.
What to look for in buying Simple steps to success Taste-tempting foods Typical holiday menu Proper packaging						
LIGHTING Visual training kit (small)	24	4 CLM	17x12	Three-	\$4.00	Certified lamp story. 18 user charts, 6 for dealers.
Visual training kit (large)	24	4 CLM	25x18	Three-	\$4.50	Certified lamp story. 18 user charts, 6 for dealers.
The story of light & sight	12	3 HLBS	24x36	Two-	\$3.00	Teacher's guide book (25¢), student's leaflet (8¢ per set) & quizzes (2 1/2¢ per set); 5th & 6th grades.
Everyday electricity Incandescent lamp Flourescent lamp Lighting exhibit	8	26 W	25x38	Two-	\$1.00	Principles of operation
Electromagnetic spectrum	3*	21 S&R	20x30	BL&W	Return postage	Equipment; light for seeing; history of development.
	1	26 W	40x30	Full-	\$2.00	Optical spectrum; terms.
SAFETY Around drill presses Around electrical equipment Around engine lathes Around grinding wheels Arc welding equipment Woodcutting band saws	1 1 1 1 1 1 1	1 US 1 US 1 US 1 US 1 US 1 US 1 US	43x11 51x11 43x11 43x11 43x11 43x11 43x11	Three- Three- Three- Three- Three- Three- Three-	\$.05 \$.05 \$.05 \$.05 \$.05 \$.05 \$.05	Industrial safety charts, A, 1-6. Industrial safety charts, V, 1-6. Industrial safety charts, D, 1-6. Industrial safety charts, F, 1-6. Industrial safety charts, J, 1-6. Industrial safety charts, E, 1-6.

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Main electrical subject and title of chart	No. of charts	Source (key P.)	Size W x L	Color	Total cost	Subject covered, comments, etc.
COOKING EQUIPMENT Make your equipment last #3 your cooking range #4 your cooking range Everyday electricity: 1 range How to keep the full flavor in fresh vegetables	10 8 1	1 US 26 W 15 CAP	14x22 25x38 19x24	BL&W Two- Full-	\$.50 \$1.00 Free	Suggestions on care and cleaning. Principles of operation. Directions for cooking in little or no water. 4 pp. lesson folder free for class use.
Four minutes in the mixer & your cake is ready to bake Kitchen utensils	1* 24	23 S 5 HF	21x14 26x20	Full- Three-	Free \$2.00	Steps in mixing cake; mixer parts. Instruction book free. Buying points, construction, use & care.
LAUNDRY, CLEANING, SEWING, Make your equipment last #7 your washing machine #8 your iron #9 your vacuum cleaner #10 your sewing machine Home laundry string charts Stain removal chart Everyday electricity Vacuum cleaner Electric iron Select the cleaner you need Health protection #1 in the kitchen #2 in the bathroom	10 2 1 8 1 4	1 US 13 B 13 B 26 W 26 W 14 BES	14x22 29x23 22x17 25x38 36x24 18x25	BL&W Three- BL&W Two- Five- Two-	\$.50 \$4.75 Free \$1.00 \$1.00 Free	Suggestions on care and cleaning. Planned vs. common laundry; steps. Reference to paste up near washer. Principles of operation. Three types and their uses. Health protection through cleanliness in the home - zones needing cleaning and dis- infecting.
Threading charts (wall) Threading charts (study)	9 3	22 SSM 22 SSM	28x38 7x14	Two- Two-	Free Free	School use; for special models. Rotary hook; oscillating hook; oscillating shuttle.
Test sheets for above Stitching charts (test) The modern vacuum cleaner	3 4 1	22 SSM 22 SSM 12 VCMA	7x14 9x9 25x38	BL&W Two- Two-	Free Free Free	To develop or test stitching How it works; how it saves.

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Main electrical subject and title of chart	No. of charts	Source (key P.)	Size W x L	Color	Total cost	Subject covered, comments, etc.
WTRING						
Wiring layout	7	2 ISC	43x35	BL&W	\$3.00	Farmstead, home, farm buildings.
Farmstead wiring display posters	5	8 NEMA	30x40	Full-	\$1.00	Equipment, wiring & floor plans of house & 5 farm buildings; farmstead.
Educational wall chart on electrical homemaking	1*	6 NAWB	21x33	Three-	1-Free or 25¢	Kitchen & Laundry; 2 homes - for use with 4 study sheets (1¢ each). Ask about cork chart.
New labels for wires	1	11 UL	12x9	Four-	Free	Identification of UL approval.
Illinois building model set	6	7 NASCO		Three-	\$.95	Cardboard house, farm buildings; useful for exhibits.

ADDRESSES

1. Superintendent of Documents, Government Printing Office, Washington 25, D. C.
2. Iowa State College, Extension Service, Ames, Iowa
3. Better Light Better Sight Bureau, 420 Lexington Avenue, New York 17, New York
4. Certified Lamp Makers, 2116 Keith Building, Cleveland 15, Ohio
5. Household Finance Corporation, 919 North Michigan Avenue, Chicago 11, Illinois
6. National Adequate Wiring Bureau, 155 East 44th Street, New York 17, New York
7. NASCO--National Agricultural Supply Company, Fort Atkinson, Wisconsin
8. National Electrical Manufacturers Association, Farm Electrification Bureau, 155 East 44th Street, New York 17, New York
9. National Safety Council, 20 North Wacker Drive, Chicago 6, Illinois
10. Poultry and Egg National Board, Consumer Information Service, 308 West Washington Street, Chicago 6, Illinois
11. Underwriters' Laboratories, Inc., 207 East Ohio Street, Chicago 11, Illinois; also 161 Sixth Avenue, New York 13, New York, and 500 Sansome Street, San Francisco 11, California.
12. Vacuum Cleaner Manufacturers' Assn., 1070 East 152nd Street, Cleveland 10, Ohio
13. Bendix Home Laundry Institute, 3300 West Sample Street, South Bend 24, Indiana
14. Bureau of Educational Services, 401 Broadway, New York 13, New York
15. Club Aluminum Products Company, 1250 Fullerton Avenue, Chicago 14, Illinois
16. Coca-Cola Company, Atlanta, Georgia, or local Coca-Cola Bottling Works
17. Crosley Division, Avco Manufacturing Corporation, Home Economics Department, Cincinnati 25, Ohio
18. General Electric Company, Lamp Department, Inquiry Bureau, Advertising Division, Nela Park, Cleveland 12, Ohio
19. Hotpoint Inc., 5600 West Taylor Street, Chicago 44, Illinois
20. International Harvester Company, 180 North Michigan Avenue, Chicago 1, Illinois
21. Sears, Roebuck and Company, Consumer Education Division, Chicago 7, Illinois
22. Singer Sewing Machine Company, Singer Building, 149 Broadway, New York 6, New York
23. Sunbeam Corporation, 5600 Roosevelt Road, Chicago 50, Illinois
24. United States Rubber Company, 1230 Avenue of the Americas, Rockefeller Center, New York 20, New York
25. Western Products, Inc., Newark, Ohio
26. Westinghouse Electric Corporation, School Service, 306 Fourth Avenue, P. O. Box 1017, Pittsburgh 30, Pennsylvania

Many advertising posters and display cards not listed here are available from manufacturers, distributors or local dealers. Some are very large pictures which may substitute for equipment when it is not available. Special legends or points can sometimes be printed or typed and used over advertising blocks, or pictures can be cut out and mounted on separate poster cards if advertising matter needs to be removed to make the material more adaptable to educational work.

